SERVICE-HOTLINE +49 375 2795 123

Joint Flex

Bitumen | Road construction | Joint adhesive | Base and binder courses | Joint area | Asphalt surfaces | TL Sbit-StB 15



Short information

- application of the material quantity specified in accordance with the applicable ZTV-Asphalt regulations in one go (stable up to 4 mm of layer thickness)
- highly flexible, elastic and good adhesive effect also on slightly moist substrates
- cost-effective and time-saving machine application
- with BORNIT®-Flexomat 3.1 + Joint Module or Joint Module, the application of the material on the surface layer is fast and clean.

Consumption

- In accordance with the applicable ZTV-Asphalt StB regulations, the required material quantity for the seam treatment is at least 50 g per cm of layer thickness per linear metre of seam flank.

Storage note

- not below +2 °C
- in originally sealed containers storable for 12 months

Complementary products

Cleaning

- BORNIT® MultiClean
- BORNIT® MultiClean Spray
- BORNIT® Bitumen Cleaner

Follow-up products

- BORNIT® Flexomat 3.1
- BORNIT® Edge Module
- BORNIT® Joint Module

Content	Item	EAN code	Colour	sufficient for:
25 l / bucket 18 bucket (450 l) / euro pallet	6900002530	4 017228 003399	black	approx. 120 m with 4 cm top layer



Areas of application

BORNIT®-Nahtflex® is used to create flexible and durable joints when laying asphalt mix in strips (both ‘hot-on-cold’ and ‘hot-on-warm’) and for joints between asphalt surfaces and building materials with irregular surfaces (milling edges). Its main areas of application are the mechanical pre-treatment of the centre joint flanks during the laying of hot mix asphalt.

BORNIT®-Nahtflex is no longer intended for use in surface courses in accordance with ZTV-Asphalt 26, Part 1, in Germany.
For cut asphalt edges, the use of BORNIT® joint tape is recommended!

Product data in brief

Product type	polymer-modified bitumen compound
Base	polymers, bitumen emulsion
Density at +20 °C	approx. 0.96 g/cmł
Solvent	none
Application	Brush, spatula, BORNIT® Flexomat 3.1 and Joint Module or Edge Module, resp.
colour(s)	black
Consistency	viscous, thixotropic
Processing temperature (ambient and substrate)	not below +2 °C
PH-value	11.0 - 11.5
storage	not below +2 °C
Shelf life	in originally sealed containers storable for 12 months
GISCODE	BBP10
Substances hazardous to health in terms of the ordinance on hazardous materials	none
Hazard class according to ADR	none
Cleaning	in the fresh state with water, in the hardened state with BORNIT® MultiClean Spray or BORNIT® MultiClean
Boiling start and Boiling range	+100 °C
Fracture strain (at the free material film)	370 % (test certificate MPA Dresden)

Type and properties

BORNIT® Joint Flex® is a polymer-modified, solvent-free, stable bitumen compound, resistant to frost down to -5 °C. Using BORNIT® Joint Flex®, in accordance with the applicable ZTV-Asphalt StB regulations, highly flexible and permanent seam connections are provided for seams in asphalt road construction. The product is manufactured ready-for-use and is usually applied mechanically with the processing equipment BORNIT® Flexomat 3.1 and Joint Module or, for base and binding layers, with the Edge Module, resp. Layer thicknesses up to 4 mm can also be applied at vertical seam flanks without any problem.

The BORNIT®-Nahtflex® product is a standardised product in accordance with TL Sbit-StB 15, Table 4.

Advantages

- application of the material quantity specified in accordance with the applicable ZTV-Asphalt StB regulations in one go (stable up to 4 mm of layer thickness)
- highly flexible, elastic and good adhesive effect also on slightly moist substrates
- cost-effective and time-saving machine application
- with BORNIT® Flexomat 3.1 + Edge Module, application of the material for base and binding layers over the entire surface is possible in one go

Surface

The substrate must be firm, clean and free from oil, grease and ice. Cutting and milling dust must be removed from the seam flanks. The product also adheres to slightly moist (not wet!) substrates. With the substrate being free from ice, processing is possible down to -5 °C.

Processing

BORNIT® Joint Flex® is particularly designed for machine processing, but can also be applied with other suitable equipment as well as brush or spatula.
The especially developed processing equipment BORNIT® Flexomat 3.1 (basic unit) as well as the associated add-on modules (Joint Module, Edge Module) enable fast and economic material application for all seam areas in asphalt road construction. Thus, seam treatment over the entire surface with approx. 1,000 m per hour is possible without any problem.
Depending on the application speed (advance) and valve position at the equipment, the material layer thickness to be applied can be varied.
Please request the technical documents for the versatile and easy-to-handle equipment system BORNIT® Flexomat 3.1 separately!
Application of the hot asphalt mix should take place immediately following the application of BORNIT® Joint Flex®. Following application, the seam flank should not be exposed to traffic anymore.

Consumption

In accordance with the applicable ZTV-Asphalt StB regulations, the required material quantity for the seam treatment is at least 50 g per cm of layer thickness per linear metre of seam flank.
For a 4 cm top layer, a 25 litre bucket is sufficient for approx. 120 running metres.

Health and fire protection, occupational safety

To ensure safe handling of the product, the physical, safety, toxicological and ecological information provided online, the information in the current safety data sheet and the additional information on the label must be read and followed before purchasing or using the product! The applicable regulations, ordinances and laws must be complied with.

In case of doubt, please contact the BORNIT® application technology department or the BORNIT® service hotline on +49 375 2795 123.

Warning notices

GISCODE	BBP10
EUH-records	EUH208: Contains 1,2-Benzisothiazol-3(2H)-on. May produce an allergic reaction.
Recommended, personal protective equipment:	

Disposal note

Only recycle completely empty containers. Material residues can be disposed of according to AVV-ASN: 080410 (adhesive and sealing compound residues, except for those falling under 080409).

Note

This data sheet supersedes all previous technical information relating to the product. Such information is therefore no longer valid. The details have been compiled in accordance with the latest state of the art in application technology. Please note, however, that depending on the condition of the building, it may be necessary to deviate from the working methods recommended in this data sheet. Unless otherwise agreed in an individual contract, all information contained in this data sheet is non-binding and therefore does not constitute an agreed product specification. We reserve the right to make changes to the information contained in this data sheet at any time. We recommend that you check our website www.bornit.de for any updates.

The product illustrations are to be regarded as examples. No legally binding claim can be derived from them. We reserve the right to make changes to the product's appearance.

Our packaging complies with the relevant legal requirements and with Regulation (EU) 2025/40 on packaging and packaging waste (PPWR). The technical documentation in accordance with Annex VII is available and can be provided on request by emailing info@bornit.de.